



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 7419

SERIAL NUMBER	FILING OR 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/516,923	12/07/2004	568	1621	53621
RULE				

## APPLICANTS

Michael Hesse, Worms, GERMANY;  
 Stephan Schlitter, Limburgerhof, GERMANY;  
 Holger Borchert, Offstein, GERMANY;  
 Markus Schubert, Ludwigshafen, GERMANY;  
 Markus Rosch, Oppenheim, GERMANY;  
 Nils Bottke, Mannheim, GERMANY;  
 Rolf-Hartmuth Fischer, Heidelberg, GERMANY;  
 Alexander Weck, Freinsheim, GERMANY;  
 Gunther Windecker, Ludwigshafen, GERMANY;  
 Gunnar Heydrich, Limburgerhof, GERMANY;

## \*\* CONTINUING DATA \*\*\*\*\*

This application is a 371 of PCT/EP03/06057 06/10/2003

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

GERMANY 10225927.5 06/11/2002

Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY GERMANY	SHEETS DRAWING 0	TOTAL CLAIMS 31	INDEPENDENT CLAIMS 1
35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

## ADDRESS

26474

## TITLE

Method for the production of 1,4- butane-diol by combined gas-phase and liquid-phase hydrogenation

FILING FEE RECEIVED 1148	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees ( Filing )
		<input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )
		<input type="checkbox"/> 1.18 Fees ( Issue )
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit